

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/017280

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ H04L12/56

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho(Y1, Y2) 1926-1996 Toroku Jitsuyo Shinan Koho(U) 1994-2005
Kokai Jitsuyo Shinan Koho(U) 1971-2005 Jitsuyo Shinan Toroku Koho(Y2) 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E, A	JP 2004-32366 A (Oki Electric Industry Co., Ltd.), 29 January, 2004 (29.01.04), Claim 5 (Family: none)	1-13
A	JP 2000-138874 A (Sharp Corp., Nippon Hosokawa), 16 May, 2000 (16.05.00), Claims & WO 2000/027111 A1 & EP 1045581 A1 & CN 1287745 A & US 6710814 B1 & JP 3526225 B2	1-13

Further documents are listed in the continuation of Box C.

See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
28 January, 2005 (28.01.05)

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15 February, 2005 (15.02.05)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2000-188608 A (Hitachi, Ltd.), 04 July, 2000 (04.07.00), Par No. [0038] (Family: none)	1-13